#2

OIPE

RAW SEQUENCE LISTING   DATE: 06/21/2001
PATENT APPLICATION: US/09/875,453   TIME: 17:23:32

Input Set : A:\4600-0135.30-SEQLIST.txt
Output Set: N:\CRF3\06212001\I875453.raw   ENTERED

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   4 <110> APPLICANT: Kim, Jungsuh P.
   5         Starr, Douglas B.
   6         Tam, Albert W.
   7         Laurance, Megan E.
   8         Michelotti, Emil F.
   9         Velligan, Mark D.
  10         Latour, Derek R.
  11         Thomas, Rita L.
  12         Kongpachith, Ana
  13         Sheppard, Liana T.
  14         Lim, Moon Young
  15         Bruice, Thomas W.
  17 <120> TITLE OF INVENTION: PROMOTERS FOR REGULATED GENE EXPRESSION
  20 <130> FILE REFERENCE: 4600-0135.30
C--> 22 <140> CURRENT APPLICATION NUMBER: US/09/875,453
C--> 23 <141> CURRENT FILING DATE: 2001-06-06
  25 <150> PRIOR APPLICATION NUMBER: US 60/209,549
  26 <151> PRIOR FILING DATE: 2000-06-06
  28 <160> NUMBER OF SEQ ID NOS: 78
  30 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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  33 <211> LENGTH: 1903
  34 <212> TYPE: DNA
  35 <213> ORGANISM: Homo sapiens
  37 <400> SEQUENCE: 1
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  39 gcgattgtgg gtgctcgggg agtggggggg ggcacgaccg taggtgctcc ctgctggggc     120
  40 aacccatcgc tccccatgcg gaatccgggg gtaattaccc ccccaggacc cggaatatta     180
  41 gtaatcctaa ttcccggcgg gggagggggc gcgggaggaa ttcaccctga aaggtggggg     240
  42 tggggggggt cgcatcttgc tgtgagcacc ctggcgaagg ggagagggct ttttctatca     300
  43 gttttctttg agctttact gttaagaggg tacggtggtt tgatgacact gaactatatt     360
  44 caaaaggaag taaatgaaca gttttcttaa tttggggcag gtactgtaaa aataaaaaca     420
  45 aaagttaaga cagtaaaatg tccttttatt ttttaatgca ccaaagagac agaacctgta     480
  46 attttaaaaa ctgtgtattt taatttacat ctgcttaagt ttgcgataat attggggacc     540
  47 ctctcatgta accacgaaca cctatcgatt ttgctaaaaa tcagatcagt acactcgttt     600
  48 gtttaattga taattgttct gaattatgcc ggctcctgcc agcccctca cgctcacgaa     660
  49 ttcagtccca gggcaaattc taaaggtgaa gggacgtcta cacccccaac aaaaccaatt     720
  50 aggaacttcg gtggtcttgt cccaggcaga ggggactaat atttccagca atttaatttc     780
  51 ttttttaatt aaaaaaaatg agtcagaatg gagatcactg tttctcagct ttccattcag     840
  52 aggtgtgttt ctcccggtta aattgccggc acgggaaggg aggggtgca gttggggacc     900
  53 cccgcaagga ccgactggtc aaggtaggaa ggcagcccga agagtctcca ggctagaagg     960
  54 acaagatgaa ggaaatgctg gccaccatct tgggctgctg ctggaatttt cgggcattta    1020
  55 ttttatttta ttttttgagc gagcgcatgc taagctgaaa tccctttaac ttttagggtt    1080
  56 accccttgg gcatttgcaa cgacgcccct gtgcgccgga atgaaacttg cacaggggtt    1140
  57 gtgtgcccgg tcctcccgt ccttgcatgc taaattagtt cttgcaattt acacgtgtta    1200
  58 atgaaaatga aagaagatgc agtcgctgag attctttggc cgtctgtccg cccgtgggtg    1260
  59 ccctcgtggc gttcttggaa atgcgcccat tctgccggct tggatatggg gtgtcgccgc    1320
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60 gccccagtca cccccttctcg tggtctcccc aggctgcgtg ctgtgccggc cttcctagtt   1380
61 gtcccctact gcagagccac ctccacctca ccccctaaat cccgggggac ccactcgagg   1440
62 cggacggggc cccctgcacc cctcttccct ggcggggaga aaggctgcag cggggcgatt   1500
63 tgcatttcta tgaaaaccgg actacagggg caactccgcc gcagggcagg cgcggcgcct   1560
64 cagggatggc ttttgggctc tgccctcgc tgctcccggc gtttggcgcc cgcgccccct   1620
65 cccctgcgc ccgcccccgc cccctcccg ctcccattct ctgccgggct ttgatctttg   1680
66 cttaacaaca gtaacgtcac acggactaca ggggagtttt gttgaagttg caaagtcctg   1740
67 gagcctccag agggctgtcg gcgcagtagc agcgagcagc agagtccgca cgctccggcg   1800
68 aggggcagaa gagcgcgagg gagcgcgggg cagcagaagc gagagccgag cgcggaccca   1860
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73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: primer
79 <400> SEQUENCE: 2
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83 <211> LENGTH: 32
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: primer
90 <400> SEQUENCE: 3
91 atccatggaa gctttggggc tcttcctggg ca                                  32
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 34
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: primer
101 <400> SEQUENCE: 4
102 gcacgcgtgc tagctggagc ctccagaggg ctgt                               34
104 <210> SEQ ID NO: 5
105 <211> LENGTH: 10
106 <212> TYPE: DNA
107 <213> ORGANISM: Homo sapiens
109 <400> SEQUENCE: 5
110 gagttttgtt                                                          10
112 <210> SEQ ID NO: 6
113 <211> LENGTH: 7
114 <212> TYPE: DNA
115 <213> ORGANISM: Homo sapiens
117 <400> SEQUENCE: 6
118 gagtttt                                                             7
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121 <211> LENGTH: 16
122 <212> TYPE: DNA
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126 cagtaacgtc acacgg                                                   16
128 <210> SEQ ID NO: 8
129 <211> LENGTH: 10
130 <212> TYPE: DNA
131 <213> ORGANISM: Homo sapiens
133 <400> SEQUENCE: 8
134 cctccagagg                                                          10
136 <210> SEQ ID NO: 9
137 <211> LENGTH: 2395
138 <212> TYPE: DNA
139 <213> ORGANISM: Homo sapiens
141 <400> SEQUENCE: 9
142 gaattcactg gggagagcat tcaggaagat gacaacagga taataggtca acagagtaat      60
143 agagaggtcg ctaaaaataa actctaagaa gtattcagcc aaaactatta ttgagctaat     120
144 aatggtggga tcaatttcag gggaatattg tgggcagaag tcagactgta ggaggctggg     180
145 gatcaagaag ttgaggcaag gaggttggac aacaactgtt ttttcaagtt ggtcacgtga     240
146 acaaatctgt gaccttcagc ctcccctccc tcgggtcttg gctgagctga ttgcagggcc     300
147 cctgcagctc tggcactctc aagttgtata aaactgacag tgcagaagtc cttgagccca     360
148 ttttggctct catgataatt ttccttcagt ggaactaagg ttacttgtct aagaaccaaa     420
149 gcctctgact tgactgatca aagttcatca cgtgcatcga agccacctac ttggcagatg     480
150 tagtgaaaag ctacatagat ctgggcccag gacaggatgc tggggcgtgg gaggggaaga     540
151 aagcaggtgc taactatata gatagcatgc ctatcagagc agtttttacg tttcctattt     600
152 gtctctcaaa acaattttat aggaatcatc aaagcaattt tatcatggtt tctagaccag     660
153 gtttggatgt gaggtaggga tttccacagc tgcttttagt ttgaaggaaa tctgataaga     720
154 tgatgcaaaa gcccttcaga aatgtgtaat cctacacact tcagtgattc aattcattgt     780
155 caaaacttaa ggtgttttta atattgttat tgttcatttg gttttttacca acatgtaagg     840
156 agttggcaat tatttgttaa actcatgtct taggctaaat aaattccaaa aaattcagga     900
157 tgagaattgt ttattgctta acgtgtgtca aatttcttcc atgcacatct ttattagatc     960
158 ttcacagcaa cctacaggat aagcaagaca ggtgcaagtg cctcctttgg gtatgaggaa    1020
159 actgaggtct aaagagatga agtgatttgc ccaaggctca tagcaattta ttggtagagc    1080
160 aaagactaga attctcttaa ctgcagccta ttttccctat tctgaactgt tacatcagca    1140
161 tcaacaatta tctaatggat tggaacagtg tacacaggca gcttagctac gtcaagtcac    1200
162 gatttttact ttaacttcaa ttccagagtc ttggcctgat ttccctcaag accctactta    1260
163 tctttggctt tggaaaattt attttttcttg cattatcttt ccagctaaat tttatttaat    1320
164 aaccatcagc atgctttttt tgctttatgc catgtagact tgacctgaaa acctgccagg    1380
165 ctttcattga gtttagtgat taaagaagta aagttctgag aagcaattag ttgatgggac    1440
166 accagtcata aaatcaatcc aaacttttgt tgacatgtgt ttctttctcc atataccagg    1500
167 ttcccgcttc gtattagtaa gattgaaatt gaaataagtc tattgctggt ggatgaattt    1560
168 gtcactttcc ttgaaactgg tgaacccaaa aagttagaca gtgataggaa aatactgcca    1620
169 ttgtctgtta agaagtctat gacatttcaa ggcaagaatg aatatatgga agaagaaact    1680
170 tgtttcttct ttacttacaa aaaggaaagc ctggaagtga atgatatggg tataattaaa    1740
171 aaaaaaaaaa aaacaaaaa acctttacgt aacgttttgc tgggagagaa gactacgaag    1800
172 cacattttcc aggaagtgtg ggctgcaacg attgtgcgct cttaactaat cctgagtaag    1860
173 gtggccactt tgacagtctt ctcatgctgc ctctgccacc ttctctgcca gaagatacca    1920
174 tttcaacttt aacacagcat gatcgaaaca tacaaccaaa cttctcccg atctgcggcc    1980
175 actggactgc ccatcagcat gaaaattttt atgtatttac ttactgtttt tcttatcacc    2040
176 cagatgattg ggtcagcact ttttgctgtg tatcttcata gaaggctgga caaggtaaga    2100
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177 tgaaccacaa gcctttatta actaaatttg gggtccttac taattcatag gttggttcta   2160
178 cccaaatgat ggatgatggt agaaaccaaa tagaagaatg gtcttgtggc ataatgtttg   2220
179 ttccctagtc aatgaactct catattcttg tctctggtta ggatcttggg atctggagtc   2280
180 agactgcctg ggctcaaatc ttggctctgc ccataccatc tctgttatcc tggggcaagt   2340
181 gcctcagttt·ccacatctga gaaatgggga tggtagtggt gtccatttca tagat         2395
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184 <211> LENGTH: 36
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: primer
191 <400> SEQUENCE: 10
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195 <211> LENGTH: 36
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: primer
202 <400> SEQUENCE: 11
203 tgaatcacga agctttggta tcttctggca gagaag                               36
205 <210> SEQ ID NO: 12
206 <211> LENGTH: 24
207 <212> TYPE: DNA
208 <213> ORGANISM: Homo sapiens
210 <400> SEQUENCE: 12
211 gatgaatttg tcactttcct tgaa                                            24
213 <210> SEQ ID NO: 13
214 <211> LENGTH: 20
215 <212> TYPE: DNA
216 <213> ORGANISM: Homo sapiens
218 <400> SEQUENCE: 13
219 gacatttcaa ggcaagaatg                                                 20
221 <210> SEQ ID NO: 14
222 <211> LENGTH: 35
223 <212> TYPE: DNA
224 <213> ORGANISM: Homo sapiens
226 <400> SEQUENCE: 14
227 acatttcaag gcaagaatga atatatggaa gaaga                                35
229 <210> SEQ ID NO: 15
230 <211> LENGTH: 37
231 <212> TYPE: DNA
232 <213> ORGANISM: Homo sapiens
234 <400> SEQUENCE: 15
235 tacgaagcac attttccagg aagtgtgggc tgcaacg                              37
237 <210> SEQ ID NO: 16
238 <211> LENGTH: 250
239 <212> TYPE: DNA
240 <213> ORGANISM: Hepatitis B virus
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242 <400> SEQUENCE: 16
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244 aggactcttg gactctcagc aatgtcaacg accgaccttg aggcatactt caaagactgt    120
245 ttgtttaaag actgggagga gttgggggag gagattaggt taaaggtctt tgtactagga    180
246 ggctgtaggc ataaattggt ctgcgcacca gcaccatgca acttttcac ctctgcctaa     240
247 tcatctcttg                                                           250
249 <210> SEQ ID NO: 17
250 <211> LENGTH: 12
251 <212> TYPE: DNA
252 <213> ORGANISM: Hepatitis B virus
254 <400> SEQUENCE: 17
255 gactgtttgt tt                                                         12
257 <210> SEQ ID NO: 18
258 <211> LENGTH: 12
259 <212> TYPE: DNA
260 <213> ORGANISM: Hepatitis B virus
262 <400> SEQUENCE: 18
263 aggactcttg ga                                                         12
265 <210> SEQ ID NO: 19
266 <211> LENGTH: 15
267 <212> TYPE: DNA
268 <213> ORGANISM: Hepatitis B virus
270 <400> SEQUENCE: 19
271 tacttcaaag actgt                                                      15
273 <210> SEQ ID NO: 20
274 <211> LENGTH: 23
275 <212> TYPE: DNA
276 <213> ORGANISM: Hepatitis B virus
278 <400> SEQUENCE: 20
279 tacttcaaag actgtttgtt taa                                             23
281 <210> SEQ ID NO: 21
282 <211> LENGTH: 15
283 <212> TYPE: DNA
284 <213> ORGANISM: Hepatitis B virus
286 <400> SEQUENCE: 21
287 ggctgtaggc ataaa                                                      15
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290 <211> LENGTH: 156
291 <212> TYPE: DNA
292 <213> ORGANISM: Hepatitis B virus
294 <400> SEQUENCE: 22
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296 atggaaggcg ggtatattat ataagagaga aacaacacat agcgcctcat tttgtgggtc    120
297 accatattct tgggaacaag atctacagca tggggc                              156
299 <210> SEQ ID NO: 23
300 <211> LENGTH: 15
301 <212> TYPE: DNA
302 <213> ORGANISM: Hepatitis B virus
304 <400> SEQUENCE: 23
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VERIFICATION SUMMARY   DATE: 06/21/2001
PATENT APPLICATION: **US/09/875,453**   TIME: 17:23:33

Input Set : **A:\4600-0135.30-SEQLIST.txt**
Output Set: **N:\CRF3\06212001\I875453.raw**

L:22 M:270 C: Current Application Number differs, Replaced Current Application Number
L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date